



**GLOBAL VISION... GLOBAL SOLUTION...**

**Genn Group  
of  
Companies**

**Genn Controls India Private Limited**

**Genn Automation**

**UNILEC Enterprises**

**Genn Infotech**



# ESTABLISHMENT

Established in the year of 1994 by first generation entrepreneur **Mr. Veluswamy K**, Genn Group has been one of the pioneers from the entrepreneurial city of Coimbatore, Tamilnadu, India in offering incomparable technological solutions to Agriculture, Food, Textile, Plastic and Aerospace domains.

Our focus of value adding solutions limitlessly expanded to various domains and problem areas.

We keep evolving ourselves as the best innovative/alternate technological solution providers by understanding the problem statements that arise in our walks of life and addressing with appropriate solutions.



# GENN GROUP PROFILE



- **Genn Controls India Private Limited** was started with 5 employees in 1994 and now developed to a company with 200 employees and 25 service network centers across India. Genn is the manufacture of Color Sorting Machine for Food Processing Industries(Sorter Machine for Rice, Wheat, Peanuts...etc.), Cotton Industry (Cotton Contamination Clearer Machine, Metal and Fire Detector and Divertor System), Plastic Industry (Color Sorter Machine for Plastic), Moisture Controller for Paddy and Homogenizers(Dairy products, Food & Beverages, Paramedical and Chemicals)
- **Genn Automation** (System House of SIEMENS) business has earned a large and stable customer base owing to its reliable product quality. Currently, our main customers are E TTL, CRAFTMAN Automation, LGB, etc. for all type of Electrical Panels, OEM Supplier for ELGI Equipments Limited and SIEMENS System House for Automation Products(VFD, PLCs, HMI, Servo Drives, Power Supplies, etc.)
- **UNILEC Enterprises** intended to cater the requirements of various Industrial Electric Equipments to all the leading machinery manufacturers, textile mills, processing industries, cement industries, paper industries, engineering industries and tea industries. Unilec has dealership for various Electric Equipment's manufacture like SIEMENS, YESHA, HENSEL, MINILEC, HUMMEL, PHOENIX CONTACT, SCHNEIDER ELECTRIC etc...
- **Genn Infotech** has developed software solutions as standalone specific modules / full EPR package that caters to companies of any size/nature.

# GENN GROUP PROFILE

## GENN AUTOMATION



A **System House of SIEMENS** business that has earned a large and stable customer base owing to its reliable product quality. Also, an authorised distributor for **SICK** Sensor Intelligence products. We cater to,

- Customized automation panels for Textile, Food processing, Engineering, SPM and all other Industries.
- Specialized training kits for colleges (PLC, VFD).
- GPRS based Automation Solutions.
- SOLAR Panels.
- Power sector panels like LT, HT, MV, SSB, DB and APFC panels.
- Authorised panel builders for **M/s ELGI Equipments** with a decade long association.
- Manufacturing electrical panels, VFD and Soft Sorter panels for compressor, ranging from 5HP to 400HP.
- Supplying average volume of 250 –300 panels per month with on-time delivery.
- Recognised with Best Supplier Awards from ELGI Equipments.

**Some of our valuable customers include**

**ELGI Equipments, ELGI Rubber, ATS ELGI, LGB Bros, Craftsman, JSW Steel,**

**Quattro Engineering, Sharadha Terry Products...**

# GENN GROUP PROFILE

## UNILEC ENTERPRISES



Catering Industrial electrical equipment need as an authorised dealer for,

- **SIEMENS**
  - Switchgears, Standard Motors, Energy Saving Motors
- **YESHA**
  - LT – mixed Di-Electric Capacitors
- **HENSEL**
  - DB's, Junction Boxes, Empty Enclosures, Cable Drum, Industrial Plug & Sockets
- **CONZERV**
  - Digital Panel Meters, Energy Management Systems, Power Factor Improvement Controllers
- **MINILEC**
  - Voltage Monitoring Relays, Protection Relays, Phase Failure Relays and Electronic Timers
- **HUMMEL**
  - Flexible Conduit, Cable Glands, Accessories
- **PHOENIX CONTACT**
  - Terminal Connectors, Surge Protection Devices, Suppressor Diodes, Power Supply Units & PLC Relays
- **SCHNEIDER ELECTRIC**
  - Power Factor Correction Capacitors, AFC Relays, Meters

# GENN GROUP PROFILE

## GENN INFOTECH



Customized Software solutions as bundled & standalone modules, to meet out the overall & specific requirements for businesses of any size/domain.

### **GI-ERP**

A holistic All-in-One, tested & proven Enterprise Resource Planning Software that ensures real time data on hand, enables Business Owners to keep a track of optimal utilization of resources and intervene whenever needed, to ensure business excellence.

### **GI-HRM**

A handy standalone, tested & proven Human Resource Management Software that eliminates tiresome calculations of payroll, statutory compliance and eases the process with zero compromise accountability.

### **GI-TM**

A transparent standalone, tested & proven Task Management Software that keeps a track of end to end processes in an organization and enables to meet deadlines within stipulated time frame.

### **GI-CRM**

In the “Customer is King’ era, the Customer satisfaction term is replaced by Customer Delight and the business prospects totally depend on this.

The caring standalone, tested & proven Customer Relationship Management Software keeps a track of all activities that enables flawless Customer Relationship management and ensures Goodwill of Repute in the minds of Customers.

Our customer list crossed 100 with wide spread in sectors like Garments & Textiles, Electronic manufacturing, Automation and Show rooms.

# GENN CONTROLS INDIA PVT LTD



## VISION

Innovation through research, development and most recent technology to make the outcomes and establish the company's growth in accordance with the value of customer.

## MISSION

Committed, innovative design,  
experience to change unfavorable moments  
in sorting areas of clients' business around the world.





## QUALITY POLICY

We are committed to fulfill our customer's expectations and comply with all relevant Legislation. This will be achieved by continually improving the performance of our systems in the Design, Manufacturing and Service and On-time Delivery through team Work.

Establishing, implementing and maintaining continual improvement projects in quality management system.

Providing necessary motivational trainings to our employees.





**GENN CONTROLS INDIA PVT LTD**

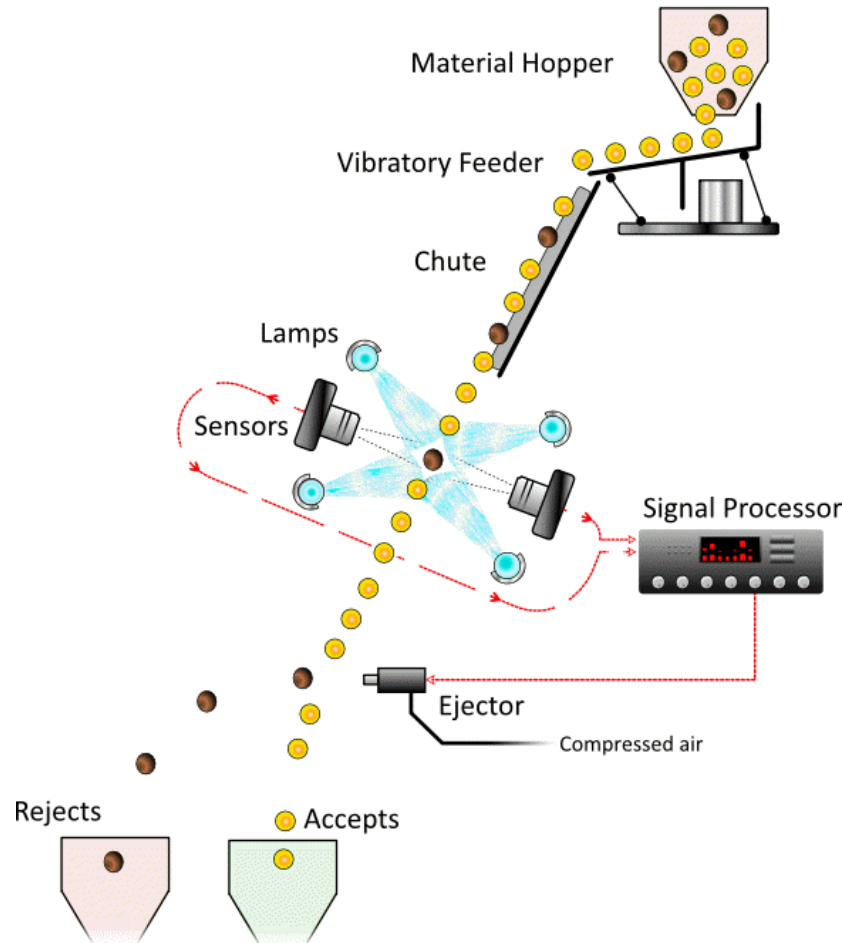


# Color Sorting Solutions...



# COLOR SORTING SOLUTIONS

## PRINCIPLE OF OPERATION





# COLOR SORTING SOLUTIONS COMMODITIES



Almonds



Soya Beans



Betel



Cardamom



Cashew



Coffee



Coriander



Corn



Cumin



Chana



Blad. Sesame



Masoor



Moong



Roasted Chana



toor



Urad



Garlic



Gum



Ragi



Bhagar



Mustard



Onion



Peanut



Pepper



Plastic



Poha



Poppy



Quartz



Raisin



Rice



Watermeion



Chilli



Fenugreek



Fenel



Tea



Wheat

And many more...

Sorting Solutions





# COLOR SORTING SOLUTIONS EVOLUTION OF SERIES



## AUTOSORT SERIES

- Year of Service : 2002 – 2005
- Commodity : Rice
- Chute Channel : 10, 20





# COLOR SORTING SOLUTIONS EVOLUTION OF SERIES



## F SERIES

- Year of Service : 2005 – 2007
- Commodity : Rice
- Chute Channel : 20





# COLOR SORTING SOLUTIONS EVOLUTION OF SERIES



## BEAT SERIES

- Year of Service : 2007 – 2010
- Commodity : Rice, Dal
- Chute Channel : 20





# COLOR SORTING SOLUTIONS EVOLUTION OF SERIES



## MAX SERIES



- **Year of Service : 2010 – 2012**
- **Commodity : Multi**  
**(Rice, Dal etc..)**
- **Chute Channel : 20, 30, 40**
- Based on the Multi Module parallel processing Structure.
- The color sorter has adopted latest CCD Scanner.
- Advanced Optical sorting Cabinet.
- Tailor made high speed mini-ejector system.
- Instant video frequency control algorithm & reliable network transmission protocol.



# COLOR SORTING SOLUTIONS EVOLUTION OF SERIES



## G SERIES

- **Year of Service : 2012 – 2015**
- **Commodity : Multi**  
**(Rice, Dal, Plastic etc..)**
- **Chute Channel : 20, 30, 40, Flat**
- Adopting 2048-pixel high speed advanced line scan CCD camera and image processing technology that can process image parameters faster.
- Intelligent image processing algorithm ensures high consistency of signal, stability and simplified outline.
- Analyzing finest color difference enabling perfect sorting.







# COLOR SORTING SOLUTIONS EVOLUTION OF SERIES



## E SERIES



- **Year of Service : 2015 – 2019**
- **Commodity : Rice**
- **Chute Channel : 20, 30, 40**
- Highly sophisticated color sorter designed to remove defective and contaminants from food grains.
- Well appreciated for high efficiency and longer service life.
- Specially configured for effective and efficient sorting of food grains.



# COLOR SORTING SOLUTIONS EVOLUTION OF SERIES



## D SERIES

- **Year of Service : 2015 – 2019**
- **Commodity : Dal, Pulses etc..**
- **Chute Channel : 20, 30, 40, Flat**
- Exclusively designed for variety of pulses.
- The result of long studies focusing on realization of a machine with excellent sorting performances, user friendly and with reduced operation/maintenance costs.





# COLOR SORTING SOLUTIONS EVOLUTION OF SERIES



## C SERIES



- **Year of Service : 2015 – 2019**
- **Commodity : Cashew Nut**  
**(Whole, Half, Baby bits, Diced, Chopped)**
- **Chute Channel : W Type**
- Using finest quality components and advanced technology in sync with industry norms.
- Designed in different designs and sizes In tune with demands of our clients.
- Cost effective compared to highly praised machines in the market with such features.



# COLOR SORTING SOLUTIONS EVOLUTION OF SERIES



## GN SERIES

- **Year of Service : 2015 – 2019**
- **Commodity : Ground Nut**
- **Chute Channel : W Type, Flat**
- Designed in accordance with most existing standards of food hygiene and excel in the most difficult of food sorting applications where the strictest levels of food quality and safety are demanded.
- Built with use of the most innovative technologies available and high-end materials that guarantees durability.





# COLOR SORTING SOLUTIONS EVOLUTION OF SERIES



## GA SERIES



- **Year of Service : 2015 – 2019**
- **Commodity : Garlic**
- **Chute Channel : Flat Type**
- Designed for dehydrated garlic.
- The realization of a machine with excellent sorting performances and user friendly.



# COLOR SORTING SOLUTIONS EVOLUTION OF SERIES



## i SERIES



- **Year of Service : 2015 – 2019**
- **Commodity : Plastic**
- **Chute Channel : 20, 30 ,40, Flat**
- Designed for Plastic granules, Flakes etc...
- The realization of a machine with excellent sorting performances and user friendly.



# COLOR SORTING SOLUTIONS EVOLUTION OF SERIES



## SIGNATURE SERIES



- **Year of Service : 2018 – 2019**
- **Commodity : Multi**
- **Chute Channel : 64**
- Designed for Rice, Dal, Plastic and Tea
- Widened chute and individual collection chamber design ensures the productivity and accuracy still better



# COLOR SORTING SOLUTIONS EVOLUTION OF SERIES



## ZX SERIES

- **Year of Service : 2019 – 2020**
- **Commodity : Rice and Wheat**
- **Chute Channel : 80**
- Designed for Rice and Wheat
- Spectral Camera with high precision for HD identification
- High pixel CCD linear camera to distinguish even 0.05mm







# COLOR SORTING SOLUTIONS EVOLUTION OF SERIES



## X SERIES

- **Year of Service : 2019 – Till Date**
- **Commodity : Multi Color/Commodities  
(Grains, Plastic etc..)**
- **Chute Channel : 64**
- Designed for multi-color multi-grain, plastic etc..
- Spectral Camera with high precision for HD identification
- High pixel CCD linear camera to distinguish even 0.05mm





# COLOR SORTING SOLUTIONS EVOLUTION OF SERIES



## RX SERIES

- **Year of Service : 2020 – Till Date**
- **Commodity : Rice and Wheat**
- **Chute Channel : 64**
  
- Designed for Rice and Wheat
- Spectral Camera with high precision for HD identification
- High pixel CCD linear camera to distinguish even 0.05mm





# COLOR SORTING SOLUTIONS EVOLUTION OF SERIES



## i SERIES

- **Year of Service : 2020 – Till Date**
- **Commodity : Multi Commodity**
- **Chute Channel : 20, 30, 40**
  
- Designed for Multi commodity, Plastic etc..
- Spectral Camera with high precision for HD identification
- High pixel CCD linear camera to distinguish even 0.05mm





# COLOR SORTING SOLUTIONS EVOLUTION OF SERIES



## D SERIES

- **Year of Service : 2020 – Till Date**
- **Commodity : Dry Grapes**
- **Chute Channel : 20**
  
- Designed specially for Dry grapes
- Spectral Camera with high precision for HD identification
- High pixel CCD linear camera to distinguish even 0.05mm





# COLOR SORTING SOLUTIONS EVOLUTION OF SERIES



## GX SERIES



- **Year of Service : 2020 – Till Date**
- **Commodity : Multicolor, Multigrain**
- **Chute Channel : 64**
- Designed for Multi color, Multigrain
- Spectral Camera with high precision for HD identification
- High pixel CCD linear camera to distinguish even 0.05mm



# COLOR SORTING SOLUTIONS EVOLUTION OF SERIES



## GX SMART SERIES



- **Year of Service : 2021 – Till Date**
- **Commodity : Multi color, Multi grain**
- **Chute Channel : 64**
- Designed for Multicolor, Multi commodity
- Spectral Camera with high precision for HD identification
- High pixel CCD linear camera to distinguish even 0.05mm

# FOOD PROCESS SOLUTIONS STEAM CONTROLLER



- **Year of Service : 2015 – Till Date**
- **Application : Rice Process Unit**
- Fully Automated
- Accurate Heat (or) Cool cycle
- Frequent Heat Monitoring
- High/Low heat buzzer Indication
- 24 Stage Programming
- Automated Drainage valve
- Elevator, Chain, Blower incorporated
- Auto/Semi Auto/Manual operation
- Steam cut-off when power failure
- Low fuel consumption



# FOOD PROCESS SOLUTIONS

## MOISTURE METER



- **Year of Service : 2004 – Till Date**
- **Application : Agri Sector (Paddy)**
- Microprocessor based accurate Linear Paddy Moisture Measuring system
- Visible and audible Indication
- Highly reliable Panasonic Motor
- Auto / Manual Operation
- 100 Samples within 3 minutes
- Corrosion free measuring wheels
- Program key lock



# FOOD PROCESS SOLUTIONS BAGGING MACHINE



- **Year of Service : 2010 – Till Date**
- **Application : Agri Sector (Paddy)**
- Designed for Agri sector.
- The realization of a machine with excellent bagging performances and user friendly.



# FOOD PROCESS SOLUTIONS

## HOMOGENISER



- **Year of Service : 2019– Till Date**
- **Application : Milk, Fruit Juice, Chemical & Paramedical process**

- Homogeniser head
  - Manual or Hydraulic
  - Double stage
- Plunger
  - AISI SS316 with hard chrome plated
- Electric drive motor
  - Crompton Greaves or Siemens
- Homogenising chamber and surfaces
  - AISI SS304 or AISI SS316
- Pressure Guage
  - LA or Tempress brand
- Valve and Valve seat
  - SS316 with Stellite
- Homogeniser body
  - High quality cast iron
- Homogeniser enclosure
  - TEFLON Coated AISI SS304

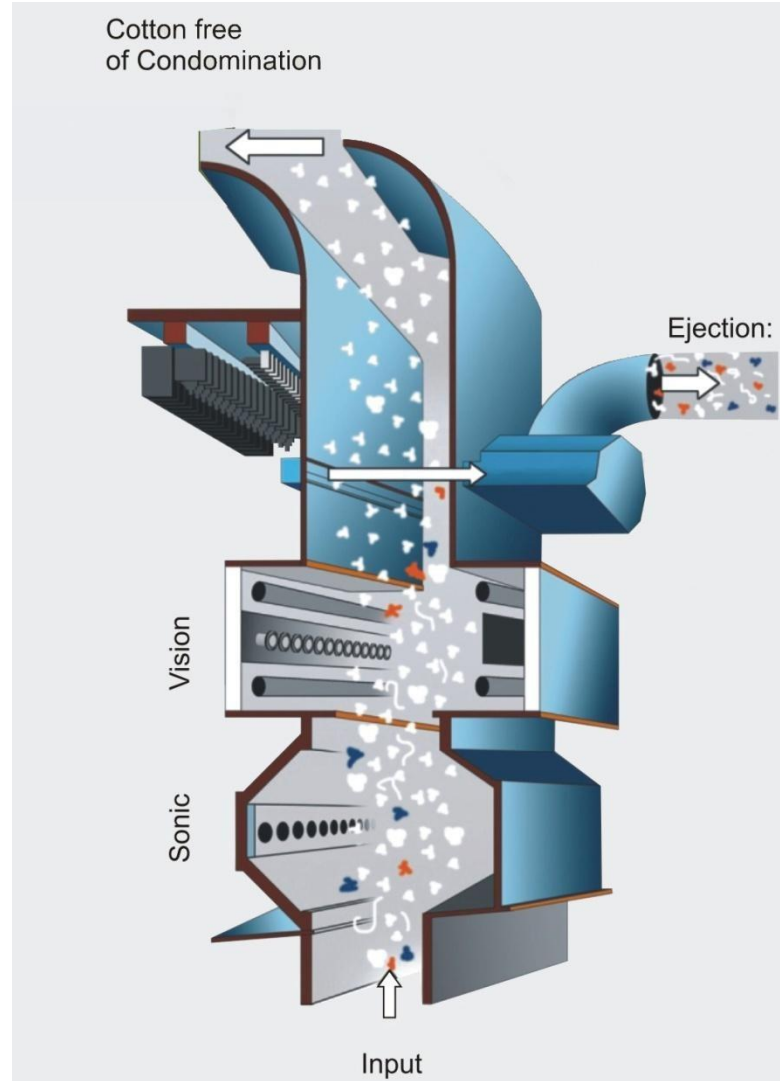


**100 LPH to 5000LPH**



# COTTON PROCESS SOLUTIONS

## CONTAMINATION CLEARER PRINCIPLE





# COTTON PROCESS SOLUTIONS

## EVOLUTION OF SERIES



## G SERIES – COTTON CONTAMINATION CLEARER



- **Year of Service : 2010 – Till Date**
- **Application : Textile Sector (Cotton)**
- A real time system for the detection and removal of contaminants from raw cotton in the blow room line.
- All unwanted material that differs from the cotton throughput is detected by Ultra fast CCD cameras and removed by means of high speed air guns.



# COTTON PROCESS SOLUTIONS EVOLUTION OF SERIES



## G SERIES – COTTON CONTAMINATION CLEARER



### FEATURES

- Optical Camera
- Lens
- Image Processing
- Light Source
  - LED lamp
- Ejectors
- Human Machine Interface



# COTTON PROCESS SOLUTIONS

## EVOLUTION OF SERIES



## G2U SERIES – COTTON CONTAMINATION CLEARER



- **Year of Service : 2017 – Till Date**
- **Application : Textile Sector (Cotton)**
- A real time system for the detection and removal of contaminants from raw cotton in the blow room line.
- All unwanted PP material that differs from the cotton throughput is detected by Ultra fast CCD Ultraviolet cameras and removed by means of high speed air guns.



# COTTON PROCESS SOLUTIONS EVOLUTION OF SERIES



## G2U SERIES – COTTON CONTAMINATION CLEARER



### FEATURES

- Ultraviolet Camera
- Lens
- Image Processing
- Light Source
  - Ultraviolet lamp
- Ejectors
- Human Machine Interface



# COTTON PROCESS SOLUTIONS EVOLUTION OF SERIES



## Y SERIES – COTTON CONTAMINATION CLEARER

**Application : Textile Sector (Cotton Blow  
Room Line & Ginning)**







# COTTON PROCESS SOLUTIONS

## EVOLUTION OF SERIES



## Y SERIES – COTTON CONTAMINATION CLEARER

### FEATURES

- Spectral Vision Technology
- Accurate Meticulous Scanning
- Industrial Prime Lens
- Integrated Coating Methodology
- Spectrum Analysis Algorithm
- Guarantee Sorting Accuracy
- Reputed Original Electromagnetic Valve
- Grand Effect Touch Panel
- Anti-interference Communication System
- Hyper Link System
- Rational LED Light Source





# COTTON PROCESS SOLUTIONS EVOLUTION OF SERIES



## T SERIES – COTTON CONTAMINATION CLEARER

**Application : Textile Sector (Cotton Blow  
Room Line & Ginning)**





# COTTON PROCESS SOLUTIONS

## EVOLUTION OF SERIES



## T SERIES – COTTON CONTAMINATION CLEARER

### FEATURES

- Spectral Vision Technology
- Accurate Meticulous Scanning
- Industrial Prime Lens
- Integrated Coating Methodology
- Spectrum Analysis Algorithm
- Guarantee Sorting Accuracy
- Reputed Original Electromagnetic Valve
- Grand Effect Touch Panel
- Anti-interference Communication System
- Hyper Link System
- Rational LED Light Source





# COTTON PROCESS SOLUTIONS EVOLUTION OF SERIES



## Z SERIES – COTTON CONTAMINATION CLEARER

**Application : Textile Sector (Cotton Blow Room Line)**





# COTTON PROCESS SOLUTIONS

## EVOLUTION OF SERIES



## Z SERIES – COTTON CONTAMINATION CLEARER

### FEATURES

- Spectral Vision Technology
- Accurate Meticulous Scanning
- Industrial Prime Lens
- Integrated Coating Methodology
- Spectrum Analysis Algorithm
- Guarantee Sorting Accuracy
- Reputed Original Electromagnetic Valve
- Grand Effect Touch Panel
- Anti-interference Communication System
- Hyper Link System
- Rational LED Light Source



# INDURIAL PROTECTION SOLUTIONS FIRE DETECTOR



- **Year of Service : 2007 – Till Date**
- **Application : Industrial Sector**

# INDURIAL PROTECTION SOLUTIONS

## FIRE DETECTOR



- Specialized design of Industrial production protection system for fire and spark hazards.
- Engineered system for textile spinning, cotton gins, recycling and other Industrial applications.
- Infrared Spark Detectors are designed to detect fast moving sparks inside the pneumatic ducts.
- Microprocessor based diversion systems are faster in response and provide the required safety for the machinery from fire.

### Features:

- Simulation option for Checking detector condition just in front of the Panel
- Visual and Audible alarm
- Controlling of Diverter, Damper, Suction Motor and Blow room trip
- Embedded system based technology run ever faster

# TEXTILE PROCESS SOLUTIONS

## METAL DETECTOR & DIVERTER



Control Panel



Metal Detector



Metal Diverter



- Year of Service : 2007 – Till Date
- Application : Textile Sector



# TEXTILE PROCESS SOLUTIONS METAL DETECTOR & DIVERTER



- A real time system for the detection and removal of Metal contaminants from raw cotton in the blow room line.
- This technology helps to prevent damage to machinery, production losses and even production plant stoppage.
- A combination of Electronic control panel, Metal Detector and Metal Diverter.

## Features

- Simple operation and automatic system adaptation to operation requirements
- Secured productivity and quality
- Metal diversion has collection system due to that production continues without any interrupt
- Embedded system run faster as per our requirement

# GENN CONTROLS INDIA PRIVATE LIMITED

## SERVICE CENTERS



Service Centers

- Corporate Office
- Regional Service Head
- Service Centers



# GENN CONTROLS INDIA PRIVATE LIMITED

## CONTACT



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THANK YOU

